



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/524,667	02/11/2005	Manuel Richey	H0004201US-1462	1472

7590 09/06/2006

Deborah Chess
Honeywell International Inc
101 Columbia Road
Morristown, NJ 07962

EXAMINER

LEVI, DAMEON E

ART UNIT	PAPER NUMBER
----------	--------------

2841

DATE MAILED: 09/06/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/524,667

Applicant(s)

RICHEY ET AL.

Examiner

Dameon E. Levi

Art Unit

2841

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 February 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11 February 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-11 are rejected under 35 U.S.C. 102(b) as being anticipated by Pienimaa et al US Patent 6110563.

Regarding claims 1-4, the methods recited therein are deemed as being inherent in the assembly of the shielding apparatus as evidenced by the prior art of record in the proceeding claims 5-11 below. The prior art of record is deemed by the office as teaching or suggesting the method since it discloses the elements used in the method.

Regarding claim 5, Pienimaa et al discloses an electronic circuit (elements 26, Figs 1-5) comprising at least one electrical component (elements 31, 33, Figs 1-5) and at least one grounding point (elements 44, Figs 1-5), wherein a non-conductive coating (elements 37, 42, Figs 1-5) is applied over said electrical component, and wherein a conductive coating (elements 38, 43, Figs 1-5) is applied over said non-conductive coating and in contact with said rounding point so as to pound said conductive coating.

Regarding claim 6, Pienimaa et al discloses wherein a hole is formed in said non-conductive coating above said grounding point so as to enable contact between said conductive coating and said pounding point (see column 6, lines 25-34).

Art Unit: 2841

Regarding claim 7, Pienimaa et al discloses wherein said grounding point(elements 44, Figs 1-5) is located proximate an edge of said electronic circuit and wherein said non-conductive coating does not coat said edge of said electronic circuit so as to enable contact between said conductive coating and said grounding point.

Regarding claim 8, Pienimaa et al discloses wherein said non-conductive coating conforms to said electrical component, and wherein said conductive coating conforms to said non-conductive coating and said grounding point(elements 43,42,41, Figs 1-5).

Regarding claim 9, Pienimaa et al discloses wherein said non-conductive coating comprises a conformal coating material selected from the following group: insulating tape, rubber, silicone, room-temperature vulcanizing silicone rubber, plastic, insulating varnish, and combinations thereof(column 4, lines 25-35).

Regarding claim 10, Pienimaa et al discloses wherein said conductive coating comprises a conformal coating material selected from the following group; conductive tape, conductive paint, silver paint, and combinations thereof(column 3, line 55-column 4, line 10).

Regarding claim 11, Pienimaa et al discloses wherein said non-conductive coating is applied over a plurality of electrical components of said electronic circuit(elements 37,42, 31,33,41, Figs 1-5).

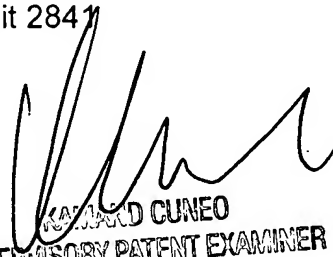
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dameon E. Levi whose telephone number is (571) 272-2105. The examiner can normally be reached on Mon.-Fri. (9:00 - 5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kamand Cuneo can be reached on (571) 272-1957. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

DEL

Dameon E Levi
Examiner
Art Unit 2841



KAMAND CUNEO
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800

2/2

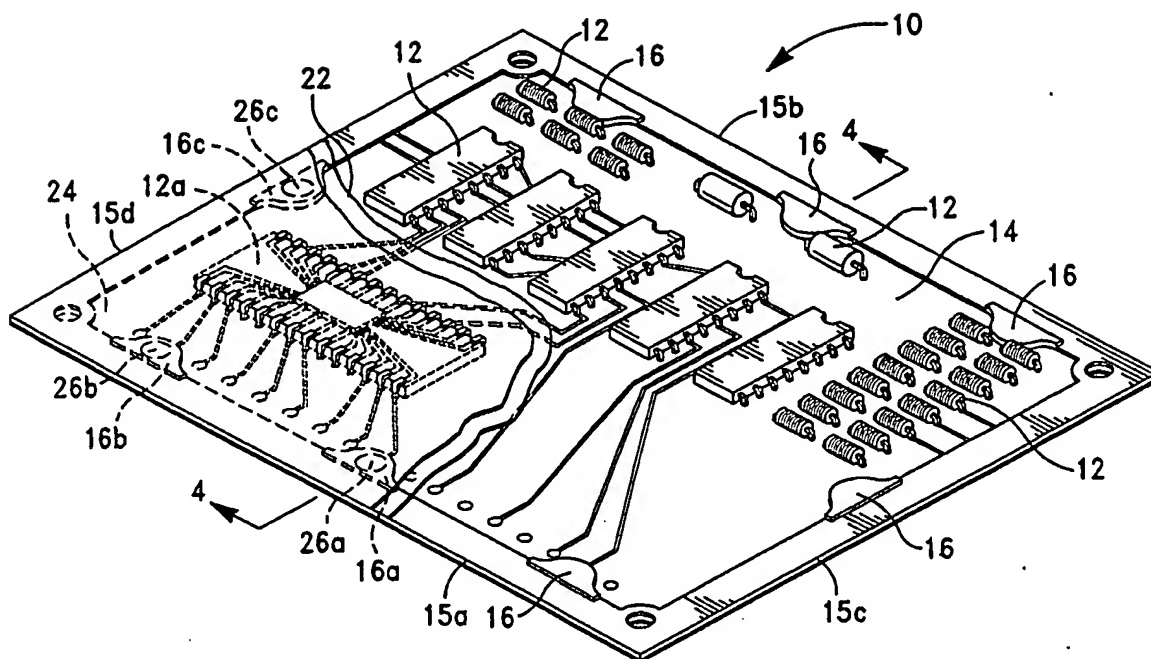


FIG. -3

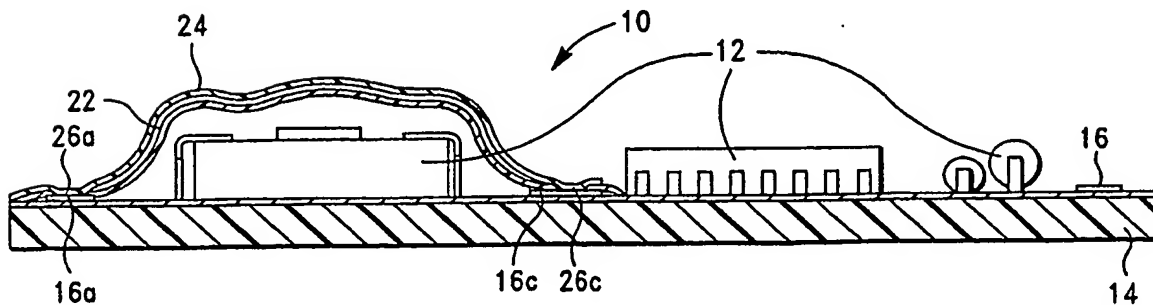


FIG. -4

1/2

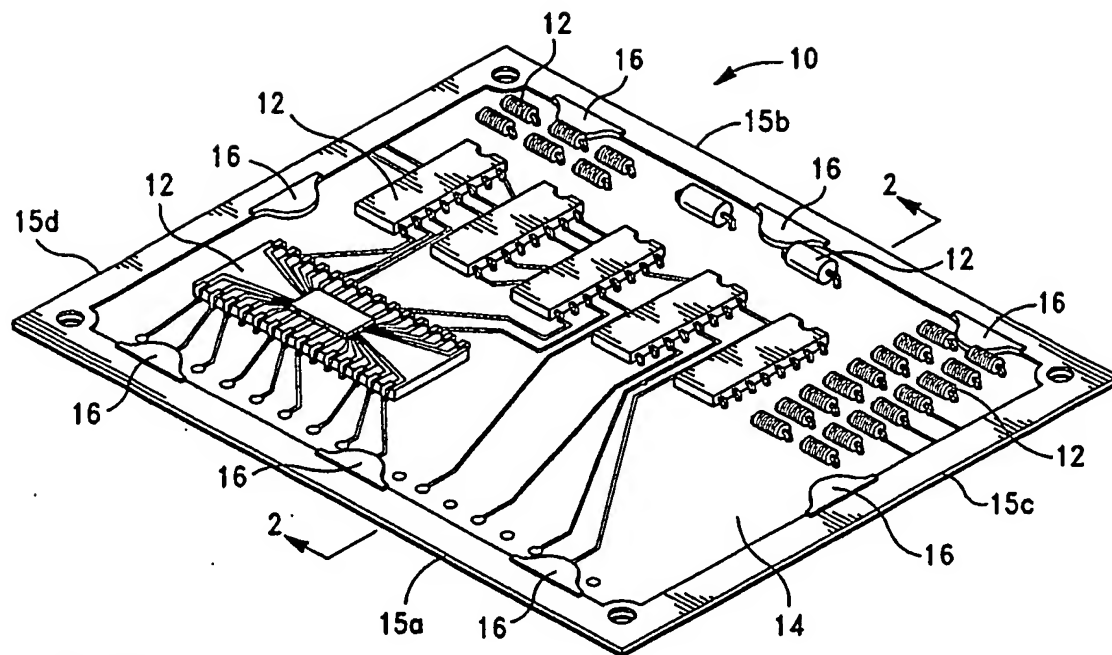


FIG.-1

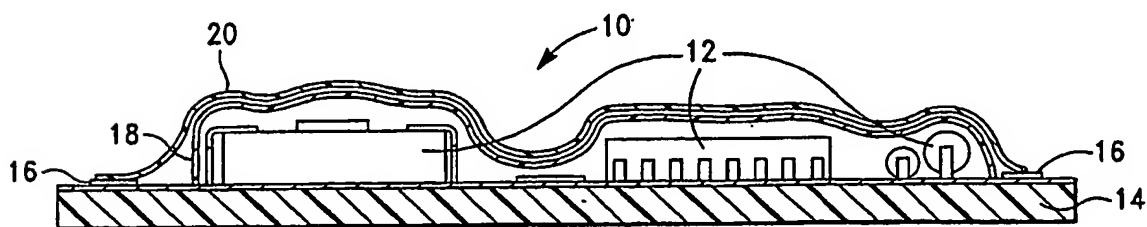


FIG.-2